

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference K03Z3PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2004/000257	International filing date (day/month/year) 15.01.2004	Priority date (day/month/year) 17.01.2003
International Patent Classification (IPC) or national classification and IPC H05K 13/04		
Applicant FUJI MACHINE MFG. CO., LTD.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.	
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.	
3. This report is also accompanied by ANNEXES, comprising:	
a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>7</u> sheets, as follows:	
<input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).	
<input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.	
b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))	
_____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).	
4. This report contains indications relating to the following items:	
<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/000257

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-38 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 15-36 received by this Authority on 16-11-2004
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1-19 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☒ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☒ the claims, nos. 1-14 _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to sequence listing (specify): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify): _____
- ☐ any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/000257

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	15-36	YES
	Claims		NO
Inventive step (IS)	Claims	18-23, 25, 29, 33-36	YES
	Claims	15-17, 24, 26-28, 30-32	NO
Industrial applicability (IA)	Claims	15-36	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 8-78882 A (Fuji Machine Mfg. Co., Ltd.),
22 March 1996, & US 5692292 A

Document 2: JP 4-123493 A (Matsushita Electric Industrial
Co., Ltd.), 23 April 1992, (Family: none)

Document 3: JP 11-138367 A (Kabushiki Kaisha Tenryu
Technique), 25 May 1999, (Family: none)

Document 4: JP 11-170121 A (Matsushita Electric
Industrial Co., Ltd.), 29 June 1999,
(Family: none)

Document 5: JP 6-45794 A (Matsushita Electric Industrial
Co., Ltd.), 18 February 1994

The inventions that are set forth in claims 15 to 17, 24, 28 and 32 do not involve an inventive step in the light of newly cited document 1, and document 2 cited in the international search report. It is not considered to be especially difficult for a person skilled in the art to employ the feature of exchanging the nozzles by means of a conveying support, as disclosed in document 2, in the modular work system that comprises a plurality of work modules which is disclosed in document 1.

The inventions that are set forth in claims 26 and 27 do not involve an inventive step in the light of

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

document 1, document 2 and document 3 cited in the international search report. It would be easy for a person skilled in the art employ the identification codes that are disclosed in document 3 in the nozzles that are disclosed in document 2.

The invention that is set forth in claim 30 does not involve an inventive step in the light of document 1, document 2 and document 4 cited in the international search report. It would be easy for a person skilled in the art to employ a plurality of the nozzles disclosed in document 2 in the light of the disclosures of document 4.

The invention that is set forth in claim 31 does not involve an inventive step in the light of document 1, document 2 and document 5 cited in the international search report. It would be easy for a person skilled in the art to employ the feature of positioning the nozzles on the basis of the captured image of a mark, as disclosed in document 5, in the conveying support that is disclosed in document 2.

The inventions that are set forth in claims 18 to 23, 25, 29 and 33 to 36 are not disclosed in any of the documents that are cited in the international search report, and would not be obvious to a person skilled in the art.